

FLUID DELIVERY SYSTEM AND SENSING UNIT THEREFOR

Abstract

A fluid delivery system capable of delivering a precise amount of fluid, such as a fluid required for medical treatment. The delivery system makes use of an inline sensing unit that includes a housing comprising an inlet for receiving a fluid from a fluid source, an outlet for discharging the fluid from the housing, and at least one cavity between the inlet and the outlet. A sensing element and electronic circuitry are disposed within the at least one cavity. The electronic circuitry is adapted to produce an electrical output based on at least one response of the sensing element. The sensing unit is further equipped with a communication element for providing communication between the electronic circuitry and an electronic device remote from the housing.